

FIG.1

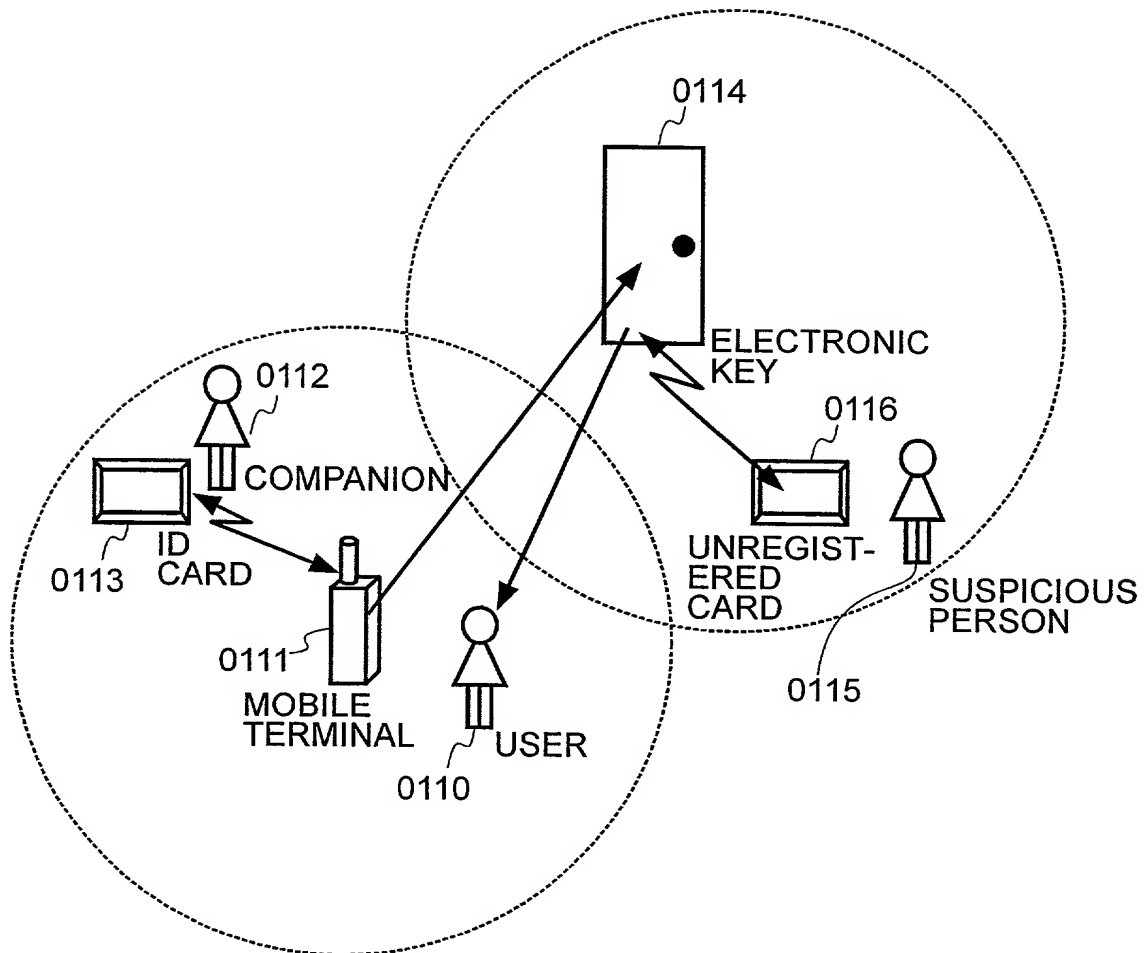


FIG.2

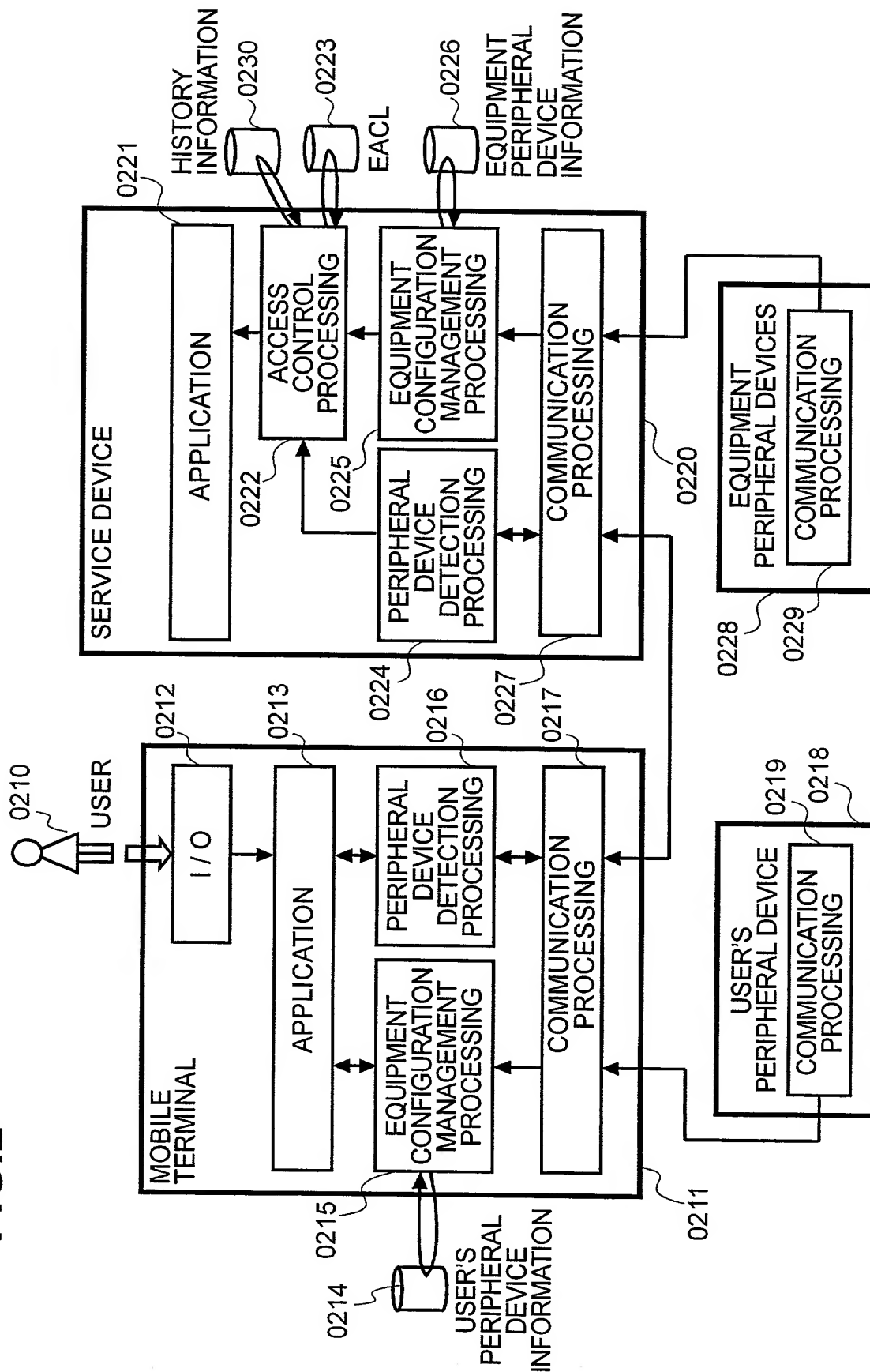


FIG.3

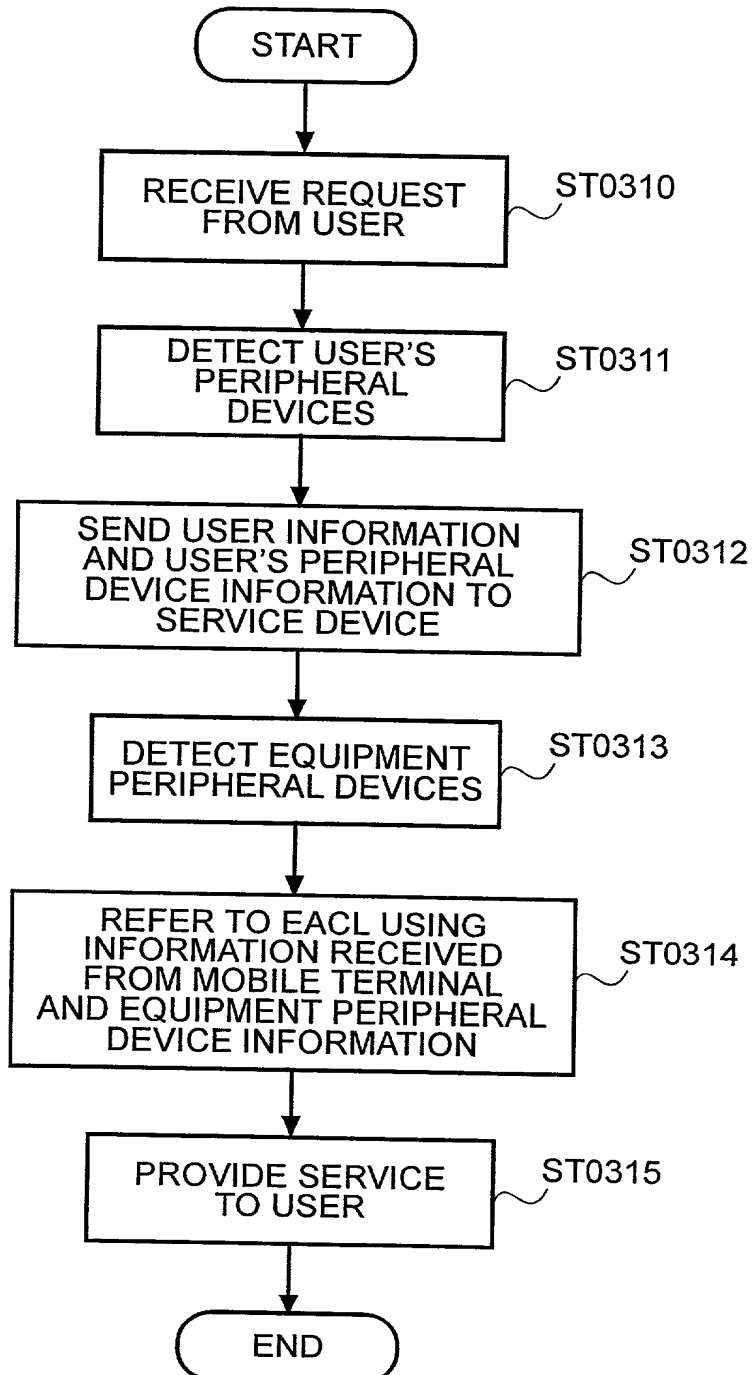
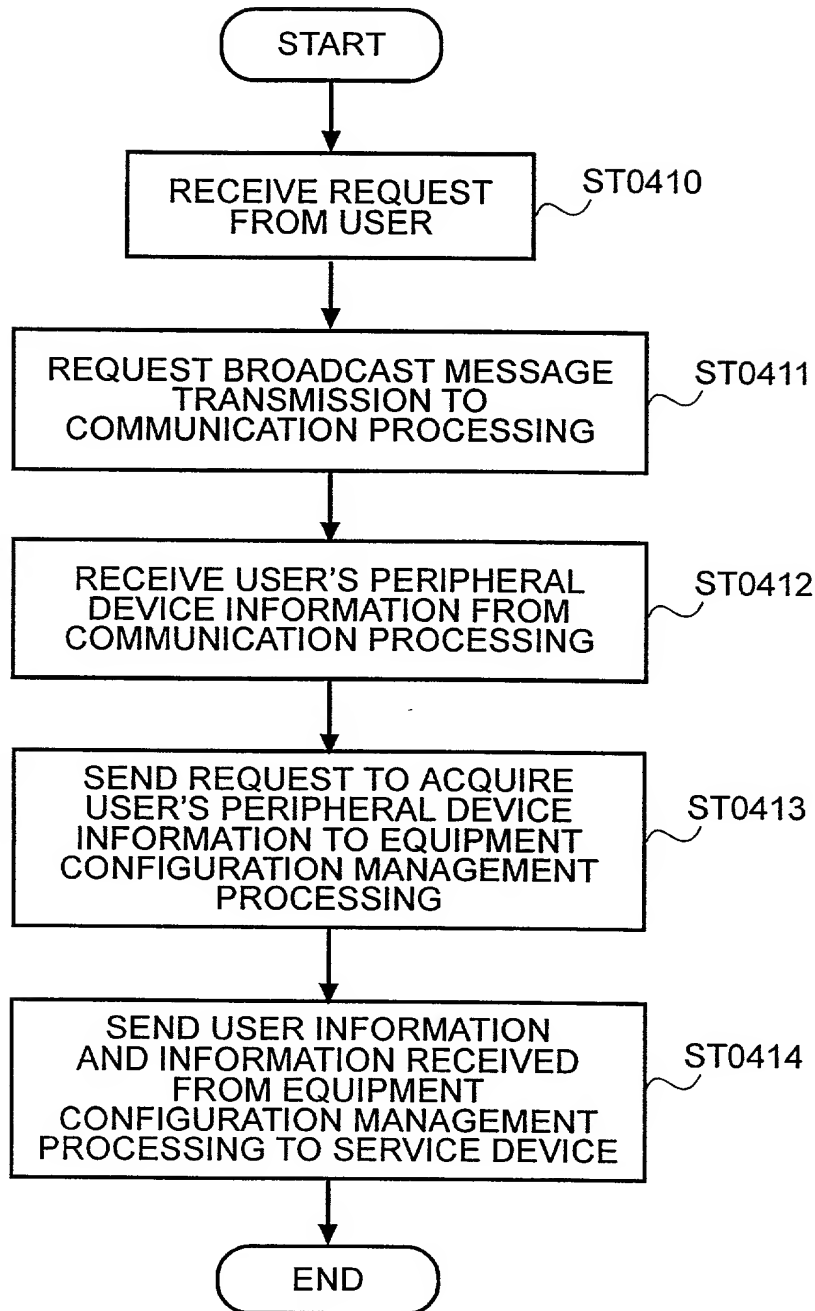


FIG.4



20250120 10:20:20

FIG.5

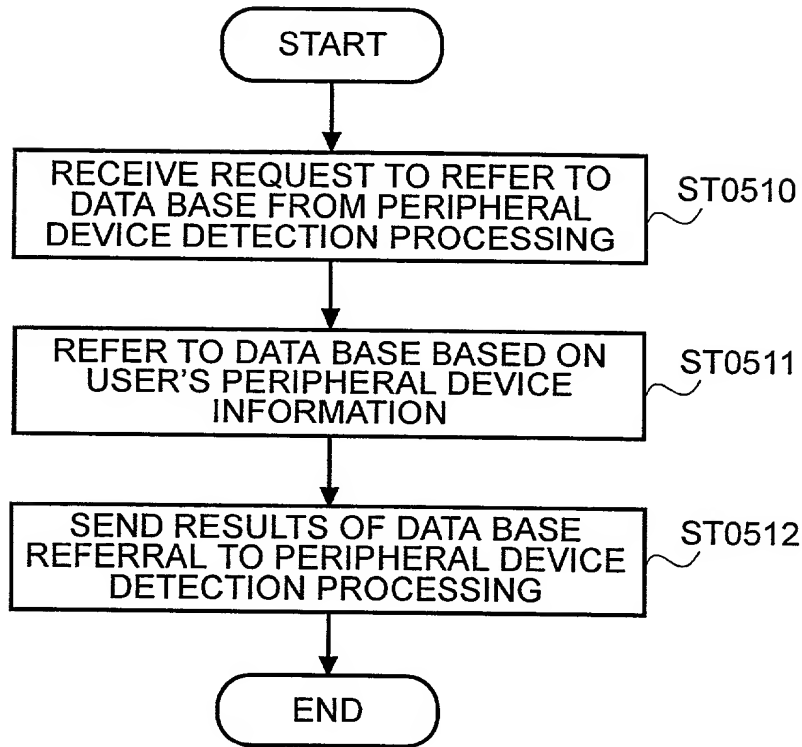


FIG.6

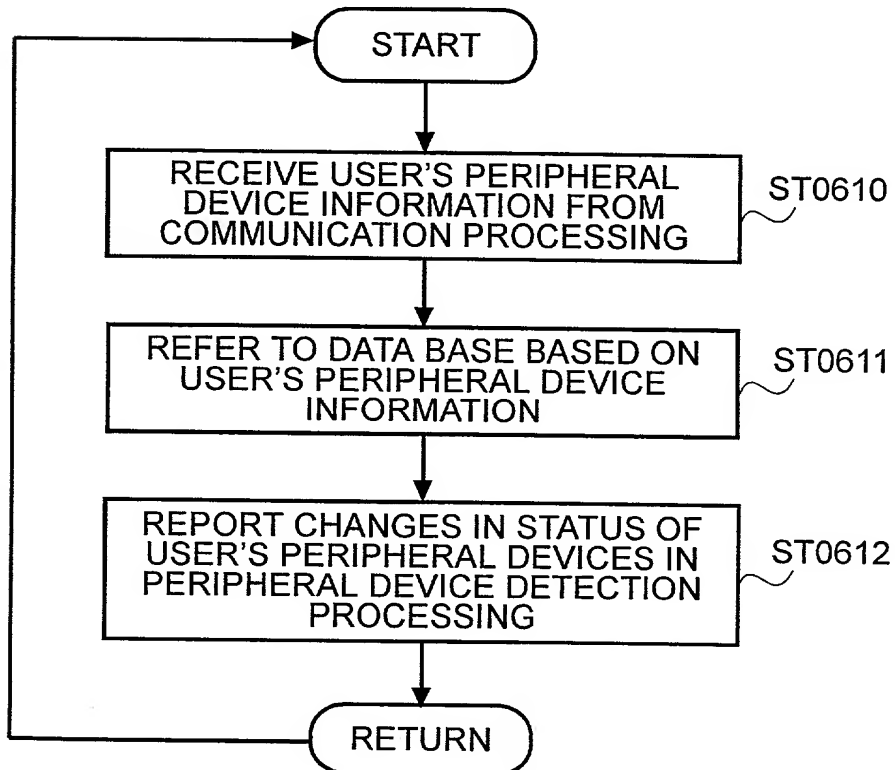
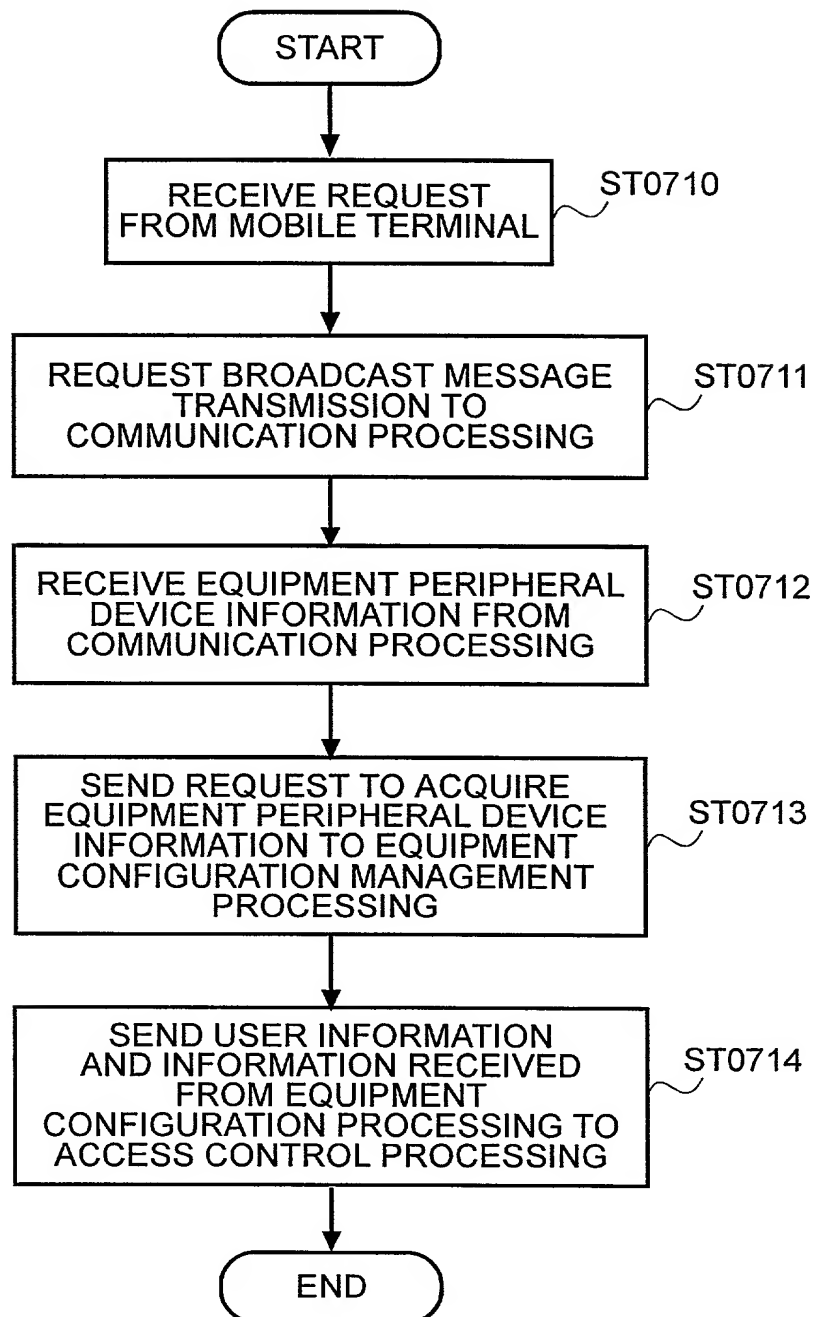


FIG.7



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FIG.8

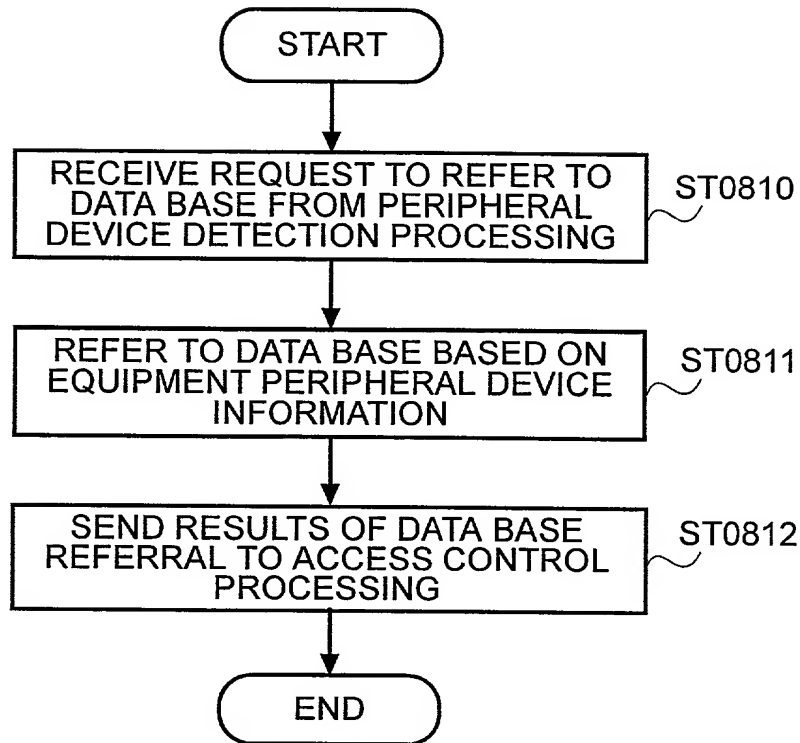


FIG.9

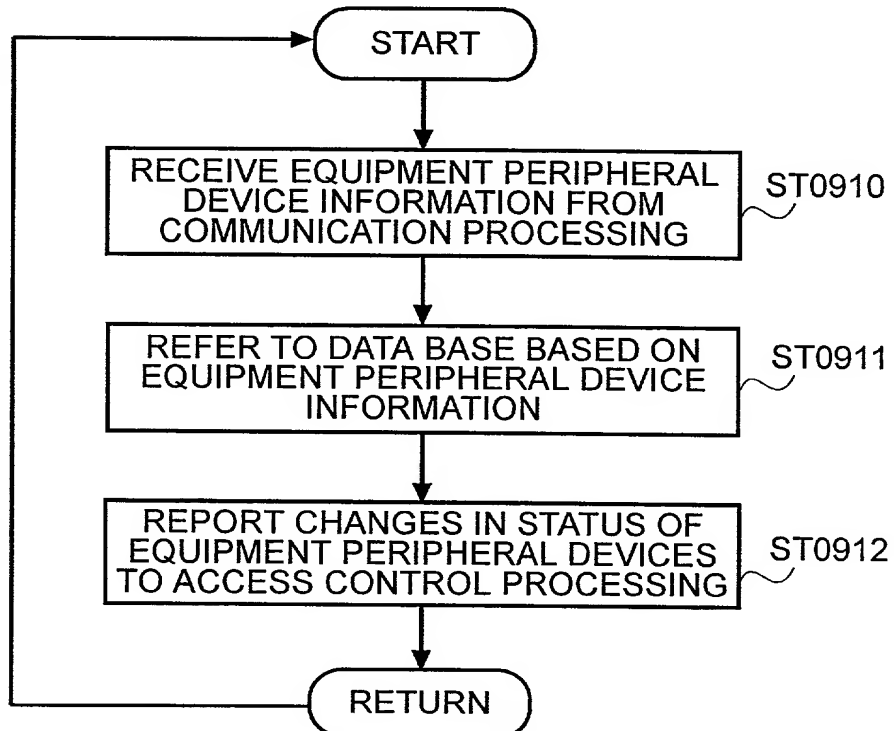


FIG.10

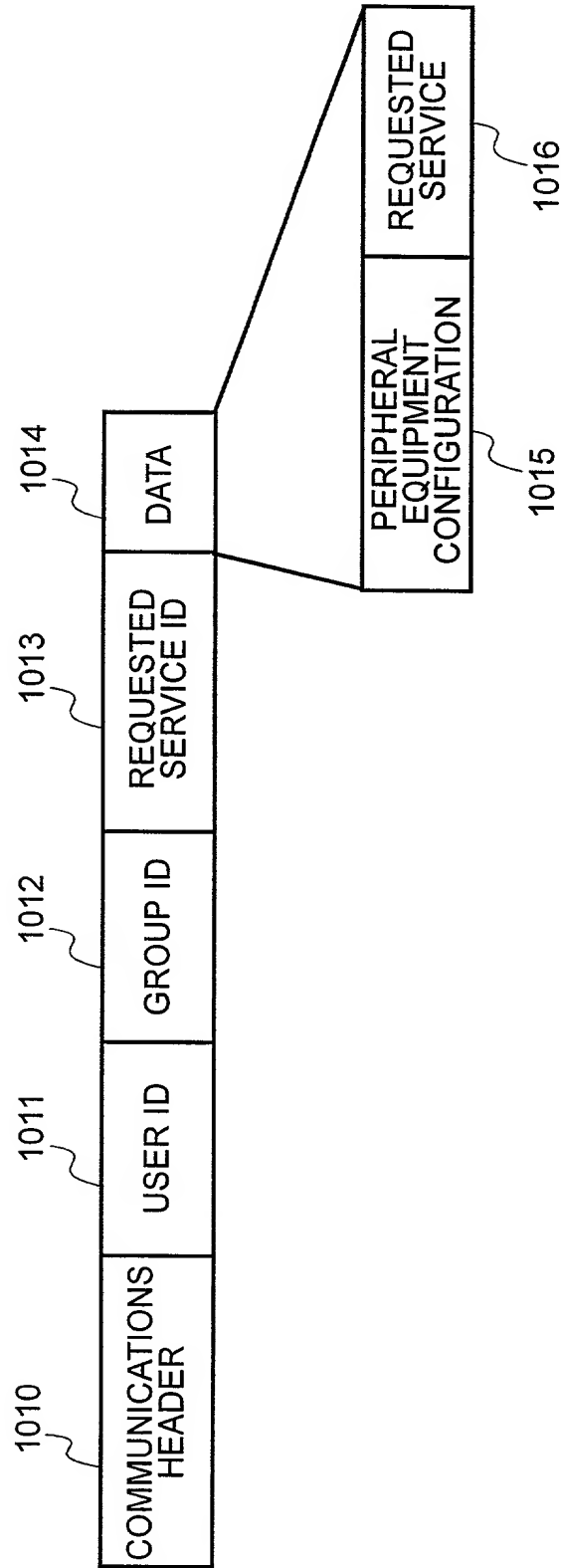


FIG.11

#	1110			1111		1112		1113	
	DATE AND TIME DATA SENT	USER ID		GROUP ID		REQUESTED SERVICE ID			
	1	2001062712235606	usr_676001027		grp_105		e-key_room_a		
	2	2001082015231302	usr_676001028		grp_301		print_room_b		
...	

FIG.12

#	1210		1211
	DATE AND TIME DATA RECEIVED	USER'S PERIPHERAL DEVICE INFORMATION	
1	2001062712235606	[info_udev]	
2	2001082015231302	[info_udev]	
...	

FIG.13

1310		1311	1312	1313
ACCESS LEVEL		GROUP ID	USER'S PERIPHERAL DEVICE INFORMATION	EQUIPMENT PERIPHERAL DEVICE INFORMATION
1		grp_105	[info_udev]	[info_ddev]
2		grp_301	[info_udev]	[info_ddev]
...	

FIG.14

ACCESS LEVEL	EXECUTION PROCESSING	ACCESS RIGHTS
0	PROCESSING 1	×
	PROCESSING 2	×
	PROCESSING 3	×

1	PROCESSING 1	×
	PROCESSING 2	○
	PROCESSING 3	×

.

Diagram illustrating a method for determining a neighbourhood boundary line. A central node i (shaded square) is connected to a peripheral node j (square) and a non-peripheral node k (square). A dashed circle represents the NEIGHBOURHOOD DISTANCE THRESHOLD (1511). The distance from i to the boundary is d_L (1514). The distance from i to j is d_{ij} (1513). The distance from i to k is d_{ik} (1510). The boundary line (1512) separates PERIPHERAL EQUIPMENT from NON-PERIPHERAL EQUIPMENT.

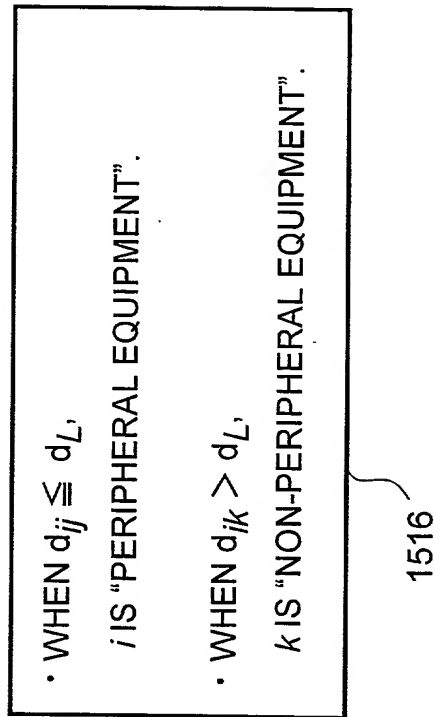


FIG. 16

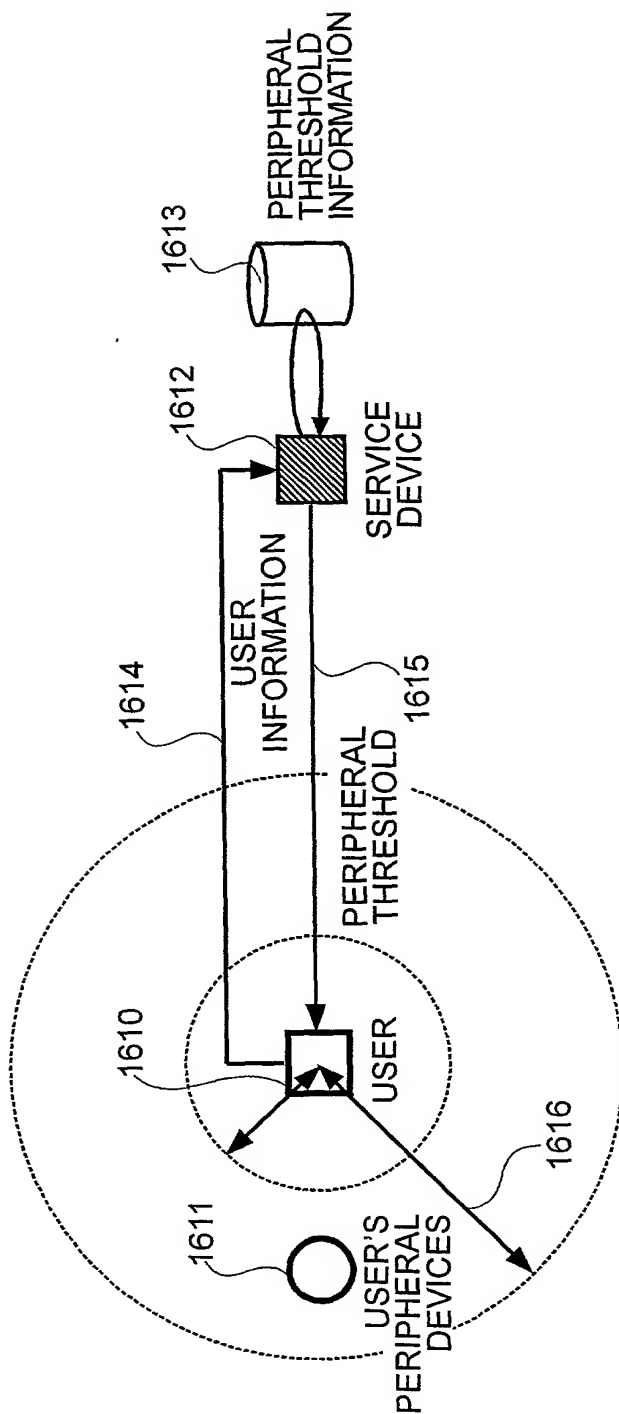


FIG.17

1710			1711		
#	SERVICE		PERIPHERAL DISTANCE [m]		
1	DOOR UNLOCKING		10		
2	DOOR LOCKING		0		
.		

FIG.18

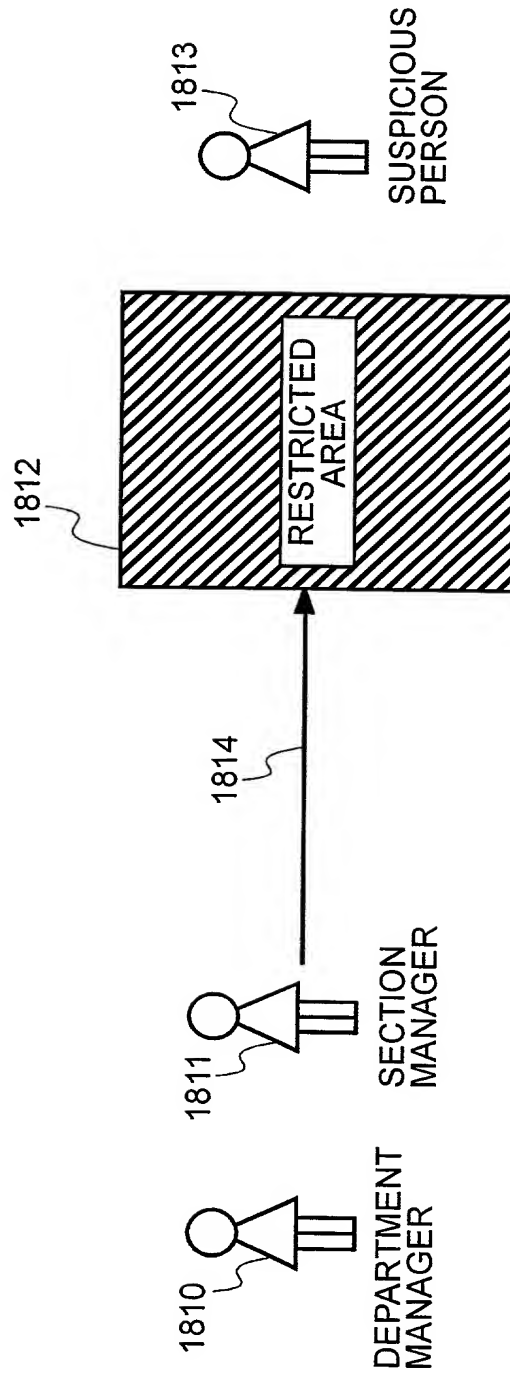
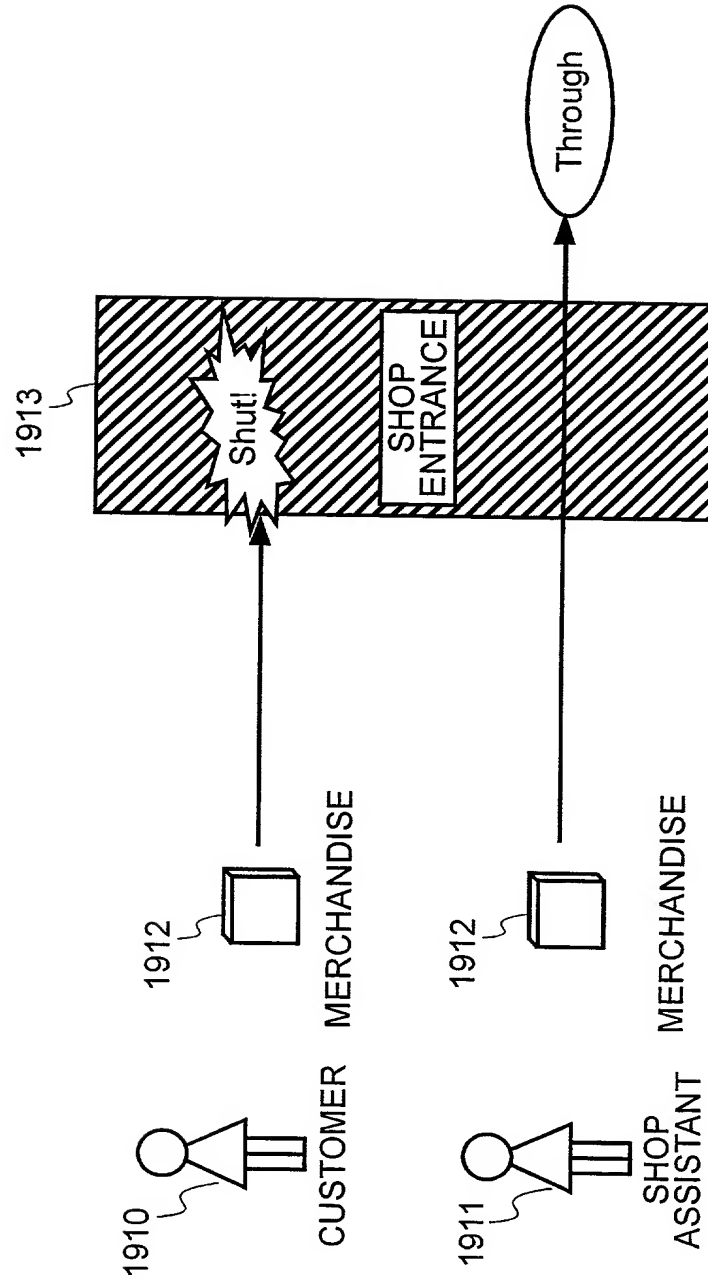


FIG.19



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FIG.20

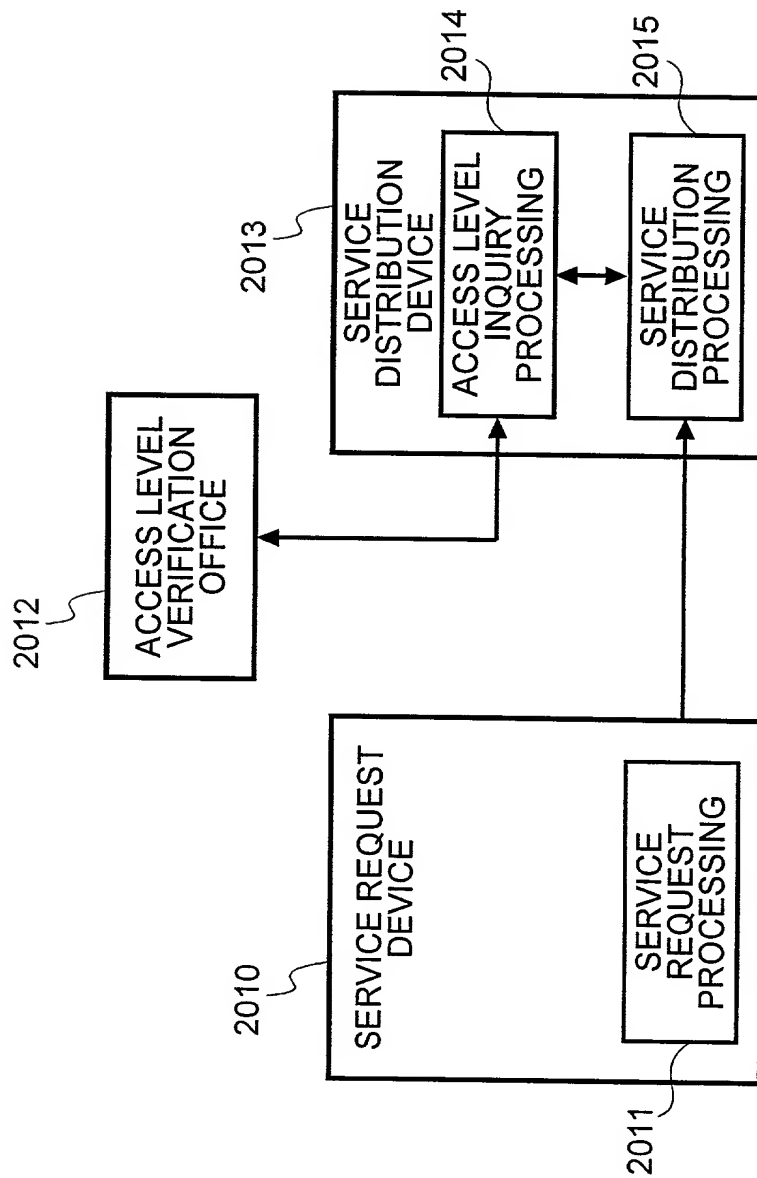


FIG.21

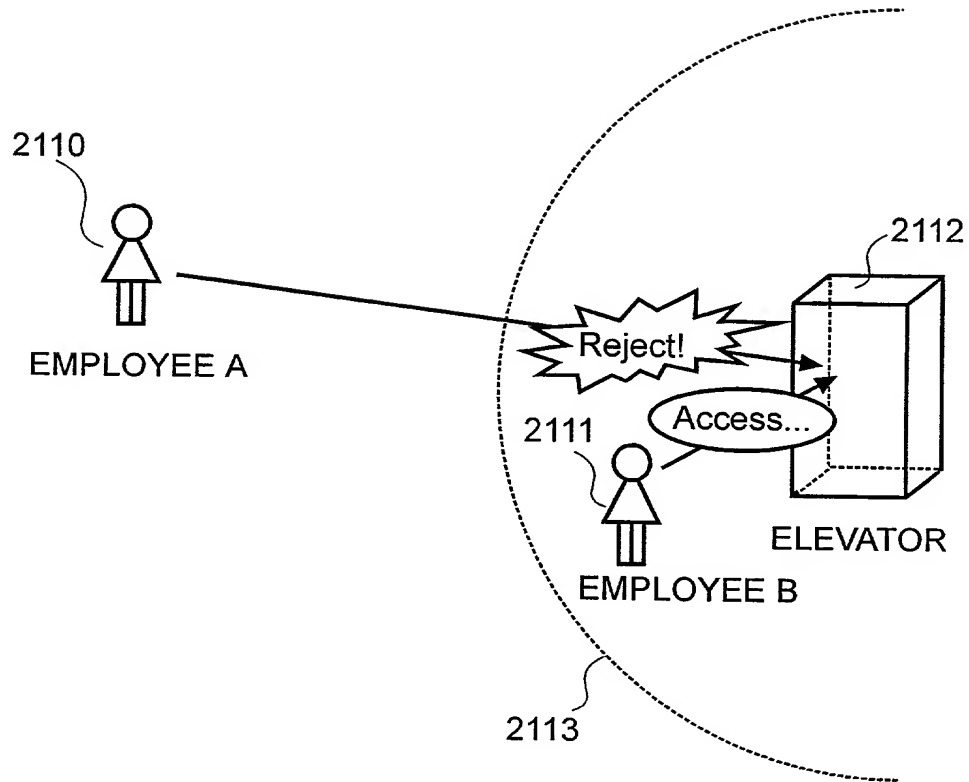


FIG.22

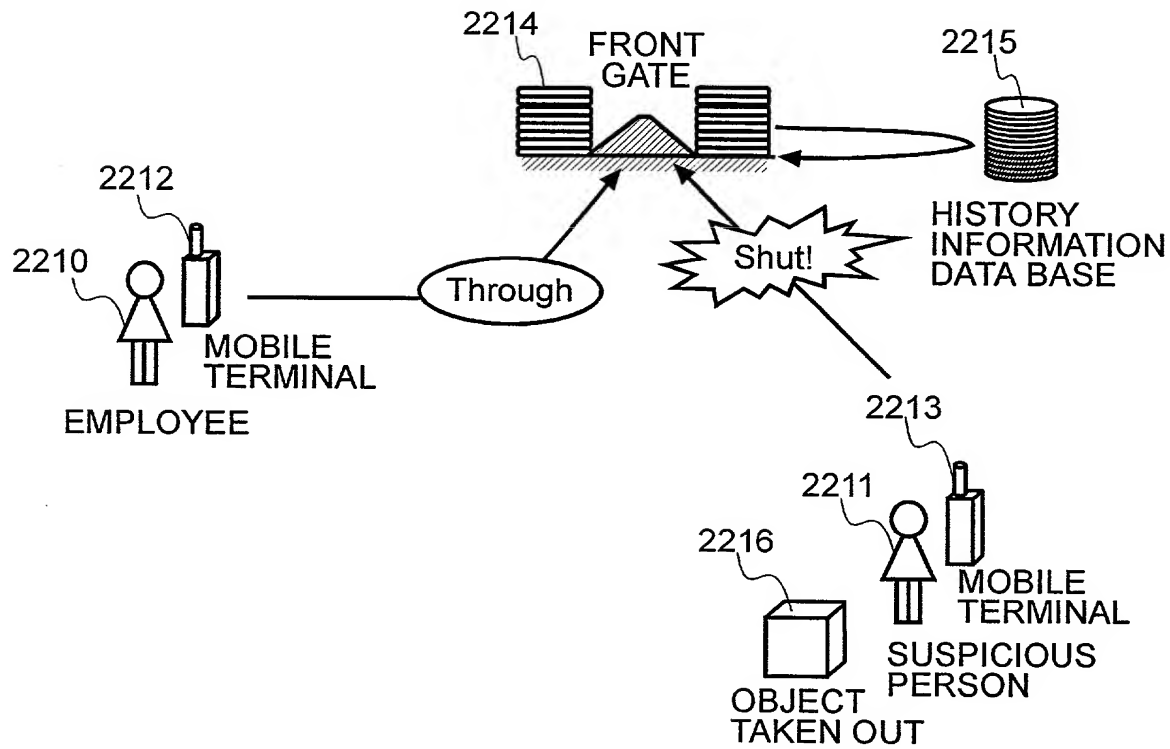


FIG.23

2310 INFORMATION RECEIVED	2311 TIME (BAND)	2312 ACCESS LEVEL
inf_receive	AM	1
inf_receive	PM	2
...

FIG.24

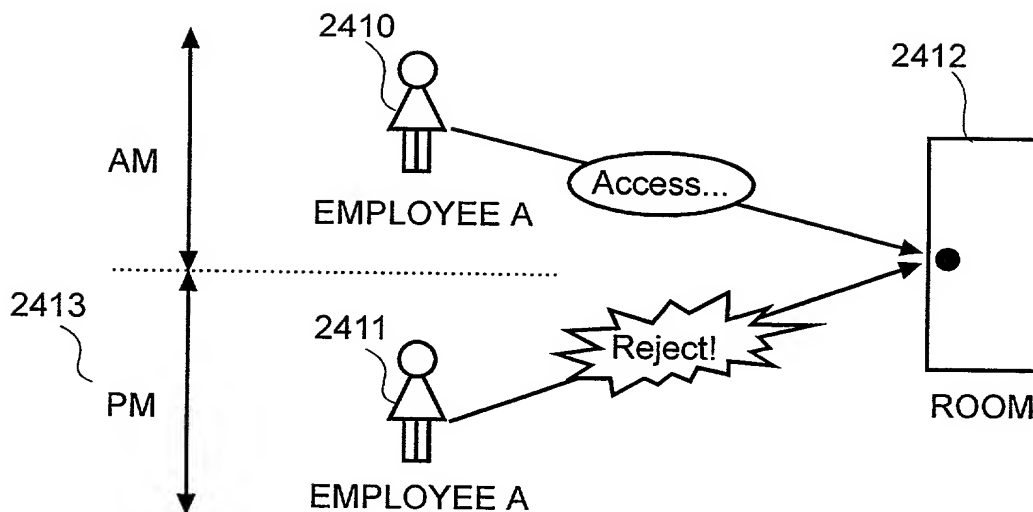


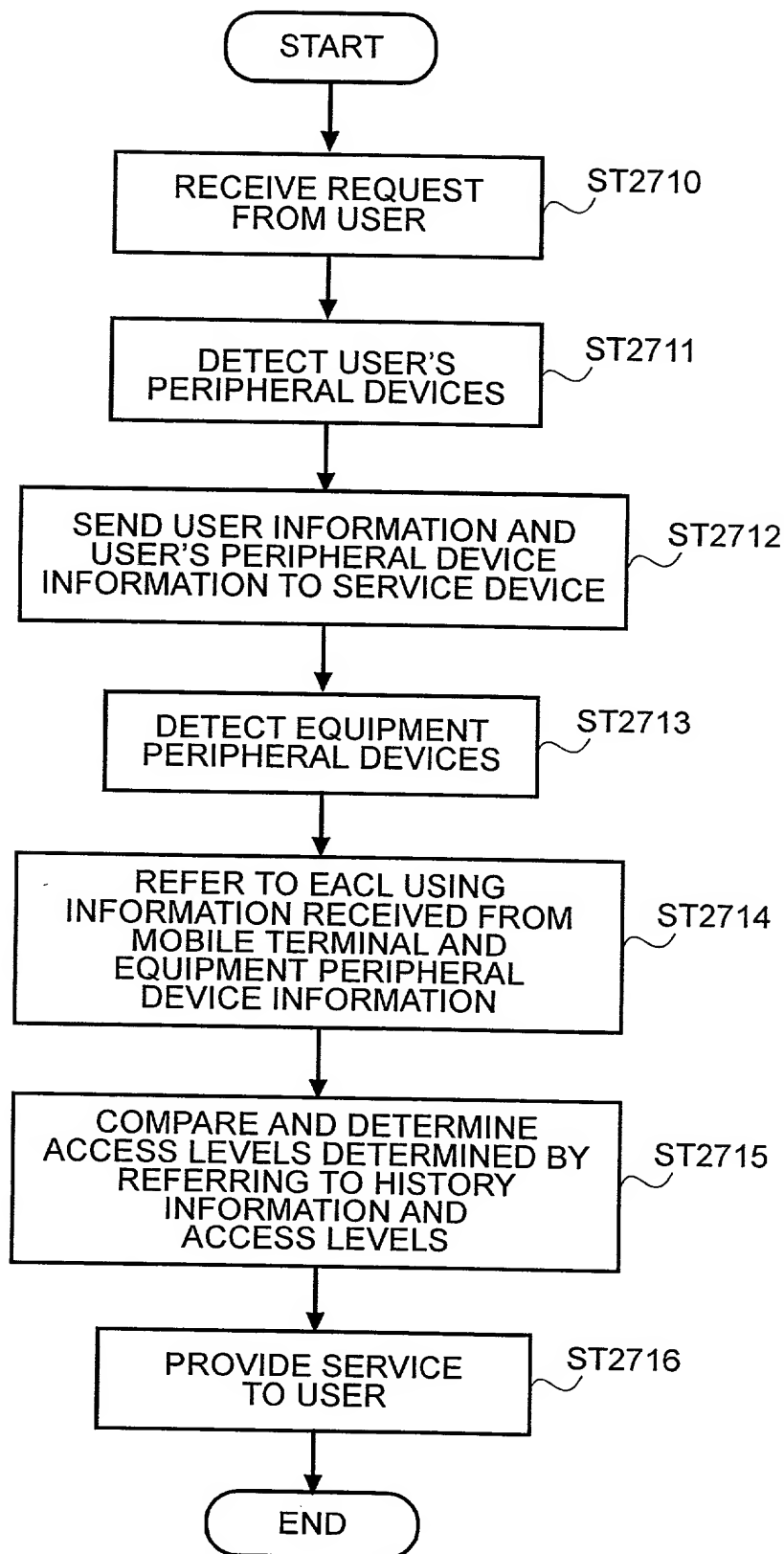
FIG.25

2510			
#	TIME	STATUS (VALUE)	PERIPHERAL EQUIPMENT
1	2001.1.1.16:25:06	ON	PC_2L, ELV_2L, ...
2	2001.1.2.12:55:26	OFF	PC_1L, ELV_1L, ...
...

FIG.26

2610	2611	2612	2613	2614
ACCESS LEVEL	TARGET EQUIPMENT	REFERENCE STARTING POINT	REFERENCE END POINT	HISTORY INFORMATION
0	EQUIPMENT 1,	P: BOOKS	P: FRONT GATE	P [REQUESTED EQUIPMENT]
		S: LOAN ALLOWED	S: LOAN NOT PERMITTED	P [REQUESTED EQUIPMENT], S [REQUESTED EQUIPMENT],...
		T: 2001.1.1.16:25:06	T: 2001.1.1.16:25:06	P [REQUESTED EQUIPMENT], T [REQUESTED EQUIPMENT],...
	
1	EQUIPMENT 2			
			
. . . .				

FIG.27



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